

## EAST Search History

Ref #	Hits	Search Query	DBs	Default Operator	Plurals	Time Stamp
L1	4	(receiving) near4 (content website web) near5 (categor\$7) same (address)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2006/12/06 14:00
L2	21	(access\$6) near4 (content website web) near5 (categor\$7) same (address)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2006/12/06 14:03
L3	7	(obtain\$6) near4 (content website web) near5 (categor\$7) same (address)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2006/12/06 14:21
L4	28	(generat\$5 biuld\$5 creat\$6) near5 (user consumer customer visitor) near3 (profile information affinity) near4 (database table) and (content website web) near5 (categor\$7) same (address)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2006/12/06 14:28
L5	0	(generat\$5 biuld\$5 creat\$6) near5 (user consumer customer visitor) near3 (profile information affinity) near4 (database table) and (query\$5) near5 (open adj directory) same (address)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2006/12/06 15:40
L6	0	(generat\$5 biuld\$5 creat\$6) near5 (user consumer customer visitor) near3 (profile information affinity) and (query\$5) near5 (open adj directory) same (address)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2006/12/06 14:29
L7	0	(user consumer customer visitor) near3 (profile information affinity) and (query\$5) near5 (open adj directory) same (address)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2006/12/06 14:35
L8	0	(query\$5) near5 (open adj directory) same (address)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2006/12/06 14:29
L9	10	(query\$5) near5 (open adj directory)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2006/12/06 14:30
L10	12	(query\$5 consult\$5 access\$5) near5 (open adj directory) near4 (project)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2006/12/06 14:34

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L11	2	09/516901	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2006/12/06 14:33
L12	101	(open adj:directory) near4 (project)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2006/12/06 14:34
L13	89	(user consumer customer visitor) near3 (profile information affinity) and L12	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2006/12/06 14:35
L14	0	(build\$5) near5 (user consumer customer visitor) near3 (profile information affinity) near4 (database table) and (query\$5) near5 (open adj:directory) same (address)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2006/12/06 15:39
L15	0	(build\$5) near5 (user consumer customer visitor) near3 (profile information affinity) near4 (database table) and (query\$5) near5 (open adj directory) same (address)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2006/12/06 15:44
L16	0	(build\$5) near5 (user consumer customer visitor) near3 (profile information affinity) same (combin\$5 pull\$5) near5 (open adj:directory) same (address)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2006/12/06 15:45
L17	0	(user consumer customer visitor) near3 (profile information affinity) same (combin\$5 pull\$5) near5 (open adj directory) same (address)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2006/12/06 15:45
L18	0	(user consumer customer visitor) near3 (click-stream clickstream) same (combin\$5 pull\$5) near5 (open adj directory) same (address)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2006/12/06 15:46
L19	0	(user consumer customer visitor) near3 (click-stream clickstream) same (open adj directory) same (address)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2006/12/06 15:46
L20	0	(user consumer customer visitor) near3 (click-stream clickstream) same (open adj directory) near3 project	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2006/12/06 15:46
L21	0	(user consumer customer visitor) near3 (click-stream clickstream) same (open adj directory)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2006/12/06 15:46

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L22	0	(click-stream clickstream) same (open adj directory)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2006/12/06 15:47
L23	4	(revers\$5) same (open adj directory)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2006/12/06 15:52
L24	1	(revers\$5) near4 (lookup) and (open adj directory) and profil\$5	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2006/12/06 15:54
L25	183	(revers\$5) near4 (lookup) and profil\$5	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2006/12/06 15:55
L26	2	"6839680".pn.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2006/12/06 15:55
S1	53213	(profil\$4 collect\$5 gather\$5) near10 (user address\$4 tempor44)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2006/12/05 14:41
S2	28377	((profil\$4 collect\$5 gather\$5) near10 (user address\$4 tempor44)) and @ad<"20000602"	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2004/01/12 10:56
S3	782	(((profil\$4 collect\$5 gather\$5) near10 (user address\$4 tempor44)) and @ad<"20000602") and ((match\$5) and (market\$5) and (advertis\$6))	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2004/01/12 15:34
S4	418	(((profil\$4 collect\$5 gather\$5) near10 (user address\$4 tempor44)) and @ad<"20000602") and ((match\$5) and (market\$5) and (advertis\$6))) and (filter\$4)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2004/01/12 10:58
S5	86	((((profil\$4 collect\$5 gather\$5) near10 (user address\$4 tempor44)) and @ad<"20000602") and ((match\$5) and (market\$5) and (advertis\$6))) and (filter\$4)) and (third-party)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2004/01/12 12:24
S6	1	EP00100738	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2004/01/12 13:46
S7	2	"6519571".pn.	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2005/12/21 13:59

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S8	0	"09759740".an.	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2004/01/12 14:30
S9	0	"09759740".apn.	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2004/01/12 14:30
S10	1	"759740".apn.	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2004/01/12 15:15
S11	2	"5732218".pn.	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2004/01/12 15:15
S12	2	"5732218".pn.	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2004/01/12 15:19
S13	2	"5796952".pn.	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2004/01/12 15:30
S14	2	"5878223".pn.	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2004/01/12 15:32
S15	3018	709/223,229,225,245.ccls. and @ad<"20000602"	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2004/01/12 15:32
S16	762	(709/223,229,225,245.ccls. and @ad<"20000602") and (profil\$4 collect\$5 gather\$5 classif\$5 categori\$7) near5 (user\$1 address\$4 client\$)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2004/01/12 16:09
S17	68	((709/223,229,225,245.ccls. and @ad<"20000602") and (profil\$4 collect\$5 gather\$5 classif\$5 categori\$7) near5 (user\$1 address\$4 client\$)) and ((match\$5) and (market\$5) and (advertis\$6))	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2004/01/12 15:39
S18	2	"5796952".pn.	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2004/01/12 15:39
S19	224	(709/223,229,225,245.ccls. and @ad<"20000602") and (profil\$4 collect\$5 gather\$5 classif\$5 categori\$7) adj (user\$1 address\$4 client\$)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2004/01/13 12:14
S20	3	((709/223,229,225,245.ccls. and @ad<"20000602") and (profil\$4 collect\$5 gather\$5 classif\$5 categori\$7) adj (user\$1 address\$4 client\$)) and (banner adj advertisement)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2004/01/12 16:10

## EAST Search History

S21	2	"5796952".pn.	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2004/01/13 13:53
S22	2	"6128663".pn.	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2004/01/13 13:53
S11 2	0	(profil\$4 collect\$5 gather\$5) near10 (user) same ((network adj ID) and (network adj address\$4) and (tempor\$4 timestamp) and (categor\$5))	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2004/12/08 10:05
S11 3	0	(profil\$4 collect\$5 gather\$5 compil\$5) near10 (user) same ((network adj ID) and (network adj address\$4) and (tempor\$4 timestamp) and (categor\$5))	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2004/12/08 10:05
S11 4	71	(profil\$4 collect\$5 gather\$5 compil\$5) near10 (user) and((network adj ID) and (network adj address\$4) and (tempor\$4 timestamp) and (categor\$5))	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2004/12/08 10:21
S11 5	0	(profil\$4 collect\$5 gather\$5 compil\$5) near10 (user) near10 (network adj ID) and (network adj address\$4) and (tempor\$4 timestamp)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2004/12/08 10:22
S11 6	3886	((profil\$4 collect\$5 gather\$5 compil\$5 track\$5 follow\$5 chas\$5) near10 (user)).ti.	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2004/12/08 10:26
S11 7	2442	((profil\$4 track\$5 follow\$5 chas\$5) near10 (user)).ti.	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2004/12/08 10:24
S11 8	207	((profil\$4 track\$5 follow\$5 chas\$5) near5 (user client) near10 (generat\$5 creat\$) near5 (database profile data)).ti.	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2004/12/08 10:26
S11 9	289	((profil\$4 collect\$5 gather\$5 compil\$5 track\$5 follow\$5 chas\$5) near10 (user client)near10 (generat\$5 creat\$) near5 (database profile data)).ti	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2004/12/08 12:33
S12 0	2	"6643696".pn.	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2004/12/08 10:30
S12 1	1862	(generat\$5 creat\$ compil\$5 collect\$5) near5 (user client) near5 (profile activity behaviour) near10 (data database)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2004/12/08 12:35
S12 2	16	(generat\$5 creat\$ compil\$5 collect\$5) near5 (user client) near5 (profile activity behavior) near10 (data database) adj (server)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2004/12/08 12:41

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S12 3	11	(general\$5 creat\$ compil\$5 collect\$5) near5 (user client) near5 (profile activity) near10 (data database) adj (server)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2004/12/08 14:45
S12 4	1859	(general\$5 creat\$ compil\$5 collect\$5) near5 (user client) near5 (profile activity) near10 (data database)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2004/12/08 12:49
S12 5	277	(genera\$5 creat\$ compil\$5 collect\$5) near5 (user client) near5 (profile activity)adj (data database)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2004/12/08 14:22
S12 6	2	(build\$ construct\$5) near5 (user client) near5 (profile) same (combin\$% join\$5) same (data database)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2004/12/08 14:24
S12 7	4496	(build\$ construct\$5 creat\$5 generat\$5) near5 (user client) near5 (profile)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2004/12/08 15:44
S12 8	1351	S127 and (advertis\$8)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2004/12/08 14:38
S12 9	112	S127 and (advertis\$8) and ((data-mining) (data adj mining))	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2004/12/08 14:39
S13 0	0	(build\$ construct\$5 creat\$5 generat\$5) near5 (user client) near5 (profile)and (data-mining) and (click adj stream adj analysis)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2004/12/08 15:35
S13 1	4	(build\$ construct\$5 creat\$5 generat\$5) near5 (user client) near5 (profile)and (click adj stream adj analysis)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/12/21 09:33
S13 2	2	(database) near5 ((P network website) near5 (categor\$5 subject\$5) same (user client) near5 (profile))	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2004/12/08 15:57
S13 3	0	("175900") and (brown adj daniel)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2004/12/08 15:49
S13 4	317	(brown adj daniel).in:	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2004/12/08 15:51
S13 5	1	(brown adj daniel).in. and (categorization).ti.	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2004/12/08 15:53

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S13 6	126	(brown adj daniel).in. and (applied psychology)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2004/12/08 15:53
S13 7	13	(brown adj daniel).in. and (applied adj psychology)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2004/12/09 07:24
S13 8	71	(network IP) near4 (address\$5) near5 (correspond\$5) near10 (categor\$5 type\$5)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2004/12/08 16:37
S13 9	40	(network IP) near4 (address\$5) near5 (site) near10 (categor\$5 type\$5)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2004/12/08 16:43
S14 0	14	(network IP) near4 (address\$5) near5 (site) near10 (class\$6)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2004/12/08 16:48
S14 1	0	(profil\$5) near6 (user) and (user adj ID) and (network adj addresses adj accessed) and (timestamp temporal) and (site adj (category classification)) near5 (information data database)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2004/12/08 16:50
S14 2	0	(profil\$5) near6 (user) and (user adj ID) and (network adj accessed) and (timestamp temporal) and (site adj (category classification)) near5 (information data database)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2004/12/08 16:51
S14 3	3	(profil\$5) near6 (user) and (user adj ID) and (network adj accessed) and (timestamp temporal) and (site address) near5 (information data database)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2004/12/08 16:52
S14 4	66	(profil\$5) near6 (user) and (user adj ID) and (timestamp temporal) and (select\$5 present\$5 send\$5) near6 (advertisement)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2004/12/08 17:00
S14 5	10	(user) adj5 (profiling) and (user adj ID) and (timestamp temporal) and (select\$5 present\$5 send\$5) near6 (advertisement)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2004/12/08 17:00
S14 6	107	(user) adj5 (profiling) and (select\$5 present\$5 send\$5) near6 (advertisement)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2004/12/08 17:01
S14 7	0	(brown adj daniel).in. and (applied adj psychology) and (60/175900)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2004/12/09 08:22
S14 8	0	(brown adj daniel).in. and (applied adj psychology) and (06/175900)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2004/12/09 07:24

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S14 9	0	(brown adj daniel).in. and (applied adj psychology)and ("60175900")	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2004/12/09 07:25
S15 0	0	(applied adj psychology adj research)and ("175900")	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2004/12/09 08:19
S15 1	21	("175900")	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2004/12/09 08:20
S15 2	0	("175900" adj2 P)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2004/12/09 08:20
S15 3	0	("175900") and (Jan adj2 "13" adj2 "2000")	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2004/12/09 08:21
S15 4	0	(applied adj psychology)and (60/175900)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2004/12/09 08:25
S15 5	0	("09696354")	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2004/12/09 08:25
S15 6	0	(09/696354.apn.)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2004/12/09 08:31
S15 7	2	("6611842".pn.)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2004/12/09 09:13
S15 8	2	("5754939".pn.)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2004/12/09 09:48
S15 9	2	("6151600".pn.)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2004/12/09 09:49
S16 0	2	("6073105".pn.)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2004/12/09 09:50

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S16 1	2	("5483278".pn.)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2004/12/09 09:50
S16 2	2	("6304864".pn.)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2004/12/09 09:55
S16 3	4193	((affinity adj server) (profile adj server) profiler)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2004/12/09 10:02
S16 4	6	S163 and ((compar\$5) near10 ((exist\$5 profiled) near10 (user profile)))	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2004/12/09 10:00
S16 5	4168	((profile adj server) profiler)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2004/12/09 10:02
S16 6	4187	((profil\$5 adj server) profiler)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2004/12/09 10:02
S16 7	663	((profil\$5 adj server))	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2004/12/09 10:03
S16 8	153	((profil\$5 adj server)) and (select\$5 choos\$5) near10 (item market\$5 advertis\$5)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2004/12/09 10:09
S16 9	42	"5493689"	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2004/12/09 10:16
S17 0	2	"5490252".pn.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2004/12/09 10:16
S17 1	2	"5488608".pn.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2004/12/09 10:17

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S17 2	2	"5421024".pn.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2004/12/09 10:17
S17 3	2	"6606657".pn.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2004/12/09 10:19
S17 4	2	"6144962".pn.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2004/12/09 10:19
S17 5	2	"6509898".pn.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2004/12/09 10:25
S17 6	2	"6608937".pn.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2004/12/09 12:46
S17 7	2	"6757740".pn.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2004/12/09 12:46
S17 8	2	"6757740".pn.	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/07/06 08:57
S17 9	2	"6288716".pn.	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/07/06 09:18
S18 0	0	(controlling downloading) near4 (photo picture) near4 ((cell near4 phone) PDA notebook) near5 (camera VCR)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/07/06 09:19
S18 1	0	(Appliance) near4 (WAP RF) near4 link near4 (module server) same ((cell near4 phone) PDA notebook)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/07/06 09:20
S18 2	0	(Appliance TV MICROWAVE PRINTER COMPUTER) near4 (WAP RF) near4 link near4 (module server) same ((cell near4 phone) PDA notebook)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/07/06 09:21
S18 3	4	(Appliance TV MICROWAVE PRINTER COMPUTER) near4 (WAP RF) near4 link near4 ((cell near4 phone) PDA notebook)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/07/06 09:42

## EAST Search History

S18 4	15	(Appliance TV MICROWAVE PRINTER COMPUTER) near4 (WAP RF) near4 link near4 (INTERNET)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/07/06 09:45
S18 5	0	(WIRELSS) near5 (CONTROL\$5 OPERAT\$5) NEAR5 (WAP RF) near4 link near4 (INTERNET)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/07/06 09:46
S18 6	17	(APPLIANCE t((cell near4 phone) PDA notebook) MICROWAVE HOME) NEAR5 (WAP RF) near4 link near4 (INTERNET)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/07/06 09:49
S18 7	0	(WIRELeSS) near5 (CONTROL\$5 OPERAT\$5) NEAR5 (APPLIANCE (cell near4 phone) PDA notebook MICROWAVE HOME) NEAR5 (WAP RF) near4 link near4 (INTERNET)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/07/06 09:48
S18 8	17	(APPLIANCE (cell near4 phone) PDA notebook MICROWAVE HOME) NEAR5 (WAP RF) near4 link near4 (INTERNET)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/07/06 09:51
S18 9	503	(APPLIANCE (cell near4 phone) PDA notebook MICROWAVE HOME) NEAR5 (WAP RF) near4 link	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/07/06 09:51
S19 0	450	(APPLIANCE MICROWAVE HOME) NEAR5 (WAP RF) near4 link	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/07/06 09:51
S19 1	3	((Home near2 appliance) (digital near2 camera)) NEAR5 (WAP RF) near4 link	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/07/06 09:52
S19 2	17	("20020187774"   "20030112335"   "5689562"   "5806005"   "5893037"   "5940117"   "5949551"   "6167469"   "6192257"   "6392697"   "6457640"   "6505252"   "6522889"   "6526281"   "6542481"   "6754189"   "6763247").PN.	US-PGPUB; USPAT; USOCR	OR	ON	2005/07/06 10:33
S19 3	341	(categori\$5) near4 ((IP near3 address)(web near2 site))	US-PGPUB; USPAT; USOCR	OR	ON	2005/07/06 10:43
S19 4	13	(categori\$5) near4 ((IP near3 address)(web near2 site)) same (user near4 profile)	US-PGPUB; USPAT; USOCR	OR	ON	2005/07/06 10:43
S19 5	6	(categori\$5) near4 ((IP near3 address)(web near2 site))near5 (meta near2 tag)	US-PGPUB; USPAT; USOCR	OR	ON	2005/07/06 10:46
S19 6	6	(categori\$5) near4 ((IP near3 address)(web near2 site))near10(meta near2 tag)	US-PGPUB; USPAT; USOCR	OR	ON	2005/07/06 10:46
S19 7	7	(categori\$5) near4 ((IP near3 address)(web near2 site)) same(meta near2 tag)	US-PGPUB; USPAT; USOCR	OR	ON	2005/07/06 10:49
S19 8	10	(categori\$5) near4 ((IP near3 address)(web near2 site)) (internet near2 site)) same(meta near2 tag)	US-PGPUB; USPAT; USOCR	OR	ON	2005/07/06 13:23
S19 9	32	(request\$5 ask\$5 assign\$5) near5 (categori\$5) near4 ((IP near3 address)(web near2 site)) (internet near2 site))	US-PGPUB; USPAT; USOCR	OR	ON	2005/07/06 10:52

## EAST Search History

S20 0	19	(request\$5) near5 (categori\$5) near4 ((IP near3 address)(web near2 site) (internet near2 site))	US-PGPUB; USPAT; USOCR	OR	ON	2005/07/06 11:00
S20 1	19303	((User customer) near3 profile)	US-PGPUB; USPAT; USOCR	OR	ON	2005/07/06 11:00
S20 2	24	((User customer) near3 profile)same(Network (IP near2 address) (web near2 site)) near5 (categori\$5) same ((IP near3 address)(web near2 site) (internet near2 site))	US-PGPUB; USPAT; USOCR	OR	ON	2005/07/06 11:02
S20 3	1	"709"/\$ccls: and(categori\$5) near4 ((IP near3 address)(web near2 site) (internet near2 site)) same(meta near2 tag)	US-PGPUB; USPAT; USOCR	OR	ON	2005/07/06 14:49
S20 4	1	(larson) and (09/828702)	US-PGPUB; USPAT; USOCR	OR	ON	2005/07/06 14:50
S20 5	2	"5991735".pn.	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/07/11 09:35
S20 6	805	(meta adj tag)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/12/21 08:28
S20 7	85	(meta adj tag) same (user near3 (profile data information))	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/12/21 08:43
S20 8	67	(profiling near10 user).ti.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/12/21 08:44
S20 9	0	(profiling near10 user).ti. and (timestamp (tempor\$5)) and (meta near3 tag)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/12/21 08:46
S21 0	0	(profiling near10 user).ti. and (meta near3 tag)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/12/21 08:46
S21 1	7	(profiling near10 user).ti. and (timestamp (tempor\$5))	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/12/21 09:02
S21 2	2	"6757740".pn.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/12/21 16:32

## EAST Search History

S21 3	26	(profiling adj server)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/12/21 09:15
S21 4	0	(profiling adj server).ti.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/12/21 09:15
S21 5	188	(profil\$5 near4 server).ti.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/12/21 09:16
S21 6	154	(profil\$5 near3 server).ti.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/12/21 09:23
S21 7	5	(netscape near3 open near3 directory)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/12/21 09:23
S21 8	17	(internet near3 site) same (categor\$5: class\$5) same (meta near3 tag)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/12/21 09:37
S21 9	11	(user near3 profile) and (internet near3 site) same (categor\$5 class\$5) same (meta near3 tag)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/12/21 09:41
S22 0	9	(obtain\$5 access\$5) same (internet near3 site) same (categor\$5 class\$5) same (meta near3 tag)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/12/21 09:41
S22 1	0	(obtain\$5 access\$5) near5 (categor\$5 class\$5) near6 (meta near3 tag)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/12/21 09:42
S22 2	1	(categor\$5 class\$5) near6 (network near4 address) near5 (meta near3 tag)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/12/21 09:43
S22 3	3003	(user near3 profile) same (user near4 (identifier name (screen near4 name) (login near3 name)))	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/12/21 10:20

## EAST Search History

S22 4	1255	(user near3 profile) near5 (user near4 (identifier name (screen near4 name) (login near3 name)))	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/12/21 10:19
S22 5	988	(user near3.profile) near2 (user near4 (identifier name (screen near4 name) (login near3.name)))	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/12/21 10:19
S22 6	2	(generat\$5) near4 (user near3 profile) same (user near4 (identifier name (screen near4 name) (login near3 name))) same (internet near4 site near4 addresses)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/12/21 10:21
S22 7	127	(generat\$5) near4 (user near3 profile) same (user near4 (identifier name (screen near4 name) (login near3 name)))	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/12/21 10:27
S22 8	2	"6182133".pn.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/12/21 10:27
S22 9	0	(catogar\$7) near4 (internet.web) near3 (site)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/12/21 12:54
S23 0	0	(categar\$7) near4 (internet web) near3 (site)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/12/21 12:54
S23 1	3	(categor\$7) near4 (internet.web) near3 (site) same (looksmart netscape)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/12/21 12:55
S23 2	29	(categor\$7) near4 (internet web) near3 (site) same (looksmart netscape yahoo)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/12/21 13:00
S23 3	0	(categor\$7) near4 (internet.web) near3 (site) same (lycos altavista megallan webcrawler galaxy yahoo netsacpe looksmart) and (market\$5) near4 (item) and (advertis\$5) near5 (banner)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/12/21 13:03
S23 4	0	(categor\$7) near4 (internet web) near3 (site) same (lycos altavista megallan webcrawler galaxy yahoo netsacpe looksmart) and (market\$5) near4 (item)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/12/21 13:03

## EAST Search History

S23 5	2	(categor\$7) near4 (internet web) near3 (site) same (lycos altavista megallan webcrawler galaxy yahoo netsacpe looksmart) and (advertis\$5) near5 (banner)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/12/21 13:04
S23 6	10	(categor\$7) near4 (internet web) near3 (site) same (lycos altavista megallan webcrawler galaxy yahoo netsacpe looksmart) and (meta near4 tag)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/12/21 13:06
S23 7	0	(classif\$7) near4 (internet web) near3 (site) same (lycos altavista megallan webcrawler galaxy yahoo netsacpe looksmart) and (meta near4 tag)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/12/21 13:07
S23 8	54	(internet web) near3 (site) same (lycos altavista megallan webcrawler galaxy yahoo netsacpe looksmart) and (meta near4 tag)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/12/21 13:09
S23 9	6	(internet web) near3 (site) same (lycos altavista megallan webcrawler galaxy yahoo netsacpe looksmart) same (meta near4 tag)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/12/21 13:07
S24 0	1343	707/10,3,5,100.ccls. and ((User:customer) near3 (profile))	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/12/21 13:45
S24 1	0	707/10,3,5,100.ccls. and ((User:customer) near3 (profile)) and S236	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/12/21 13:46
S24 2	2	"6199067".pn	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2005/12/21 14:02
S24 3	0	(revers\$5) near3 (categor\$5) same (web:internet) near3 (site directory)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2005/12/21 14:03
S24 4	3	(revers\$5) near3 (categor\$5) same (web:internet)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2005/12/21 14:03
S24 5	1	09/897774	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/12/21 16:33

## EAST Search History

S24 6	0	(user near3 profile) and (correlat\$5) near4 (network near3 address) near5 (tempor\$9)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/06/05 17:22
S24 7	0	(user near3 profile) and (correlat\$5) near4 (network near3 address) near5 (tempor\$9)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/06/05 17:24
S24 8	0	(user near3 profile) and (relat\$5) near4 (network near3 address) near5 (tempor\$9)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/06/05 17:25
S24 9	0	(relat\$5) near4 (network near3 address) near5 (tempor\$9)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/06/05 17:25
S25 0	604	(network near3 address) near5 (tempor\$9)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/06/05 17:26
S25 1	4	(correspond\$6) near5 (network near3 address) near5 (tempor\$9)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/06/05 17:28
S25 2	1647	(tempor\$9) near6 (translat\$7)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/06/05 17:29
S25 3	35	((tempor\$9) near6 (translat\$7)).ti	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/06/06 07:11
S25 4	7	(categoriz\$7) near4 (internet web) near5 (site) near7 (meta adj tag\$5)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/06/06 07:25
S25 5	6	("20020183059"   "5907322"   "6029141"   "6349307"   "6434622"   "6628928").PN.	US-PGPUB; USPAT; USOCR	OR	ON	2006/06/06 07:15
S25 6	4	("20020183059"   "5907322"   "6029141"   "6349307"   "6434622"   "6628928").PN. and (profile)	US-PGPUB; USPAT; USOCR	OR	ON	2006/06/06 07:15
S25 7	10	(categoriz\$7) near4 (internet web) near5 (site) same.(meta adj tag\$5)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/06/06 07:35

## EAST Search History

S25 8	4	"6704729".pn.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/06/06 11:09
S25 9	2	"6178419".pn	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/06/06 08:13
S26 0	168	(generat\$5 creat\$5) near5 (user customer client) near5 (profile) same (address) same (time temporal)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/06/06 14:03
S26 1	3	(generat\$5 creat\$5) near5 (user customer client) near5 (profile) same (address) same (temporal)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/06/06 08:18
S26 2	2528	(generat\$5 creat\$5) near5 (user customer client) near5 (profile) and (access\$5 combin\$5) near6 (database)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/06/06 09:23
S26 3	4	(generat\$5 creat\$5) near5 (user customer client) near5 (profile) same (access\$5 combin\$5) near6 (several various different) near5 (database)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/06/06 09:25
S26 4	140	(generat\$5 creat\$5) near5 (user customer client) near5 (profile) and (access\$5 combin\$5) near6 (several various different) near5 (database)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/06/06 13:13
S26 5	0	(generat\$5 creat\$5) near5 (user customer client) near5 (profile) same (combin\$5) near6 (several various different) near5 (database)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/06/06 09:28
S26 6	1	(generat\$5 creat\$5) near5 (user customer client) near5 (profile) and (combin\$5) near6 (several various different) near5 (database)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/06/06 09:28
S26 7	0	(generat\$5 creat\$5) near5 (user customer client) near5 (market\$5) near5 (profile) and (compar\$5) near6 (several various different) near5 (database)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/06/06 09:29
S26 8	2	(user customer client) near5(market\$5) near5 (profile) and (compar\$5) near6 (several various different) near5 (database)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/06/06 09:33

## EAST Search History

S26 9	0	(profiling)adj6(user customer client ) near5(market\$5) and (compar\$5) near6 (several various different) near5 (database)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/06/06 09:34
S27 0	1	(profiling)adj6(user customer client ) and (compar\$5) near6 (several various different) near5 (database)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/06/06 09:35
S27 1	4	(profiling)adj6(user customer client )same (several various different) near5 (database)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/06/06 09:35
S27 2	10	("5615109"   "5767854"   "5794246"   "5799286"   "5832496"   "5978788"   "6212524"   "6377993"   "6484179"   "6594653").PN.	US-PGPUB; USPAT; USOCR	OR	ON	2006/06/06 10:08
S27 3	8	("5706502"   "5894554"   "5958008"   "5996007"   "6067559"   "6081840"   "6128655"   "6138155").PN.	US-PGPUB; USPAT; USOCR	OR	ON	2006/06/06 10:33
S27 4	2	"6741955".pn.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/06/06 11:09
S27 5	2	"6741995".pn.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/06/06 11:09
S27 6	10	("4977594"   "5638443"   "5675510"   "5682525"   "5706502"   "5708780"   "5710918"   "5715453"   "5796952"   "6108637").PN.	US-PGPUB; USPAT; USOCR	OR	ON	2006/06/06 11:13
S27 7	4	("20010032092"   "5983221"   "6356905"   "6393423").PN.	US-PGPUB; USPAT; USOCR	OR	ON	2006/06/06 11:28
S27 8	3	09/002164	US-PGPUB; USPAT; USOCR	OR	ON	2006/06/06 11:28
S27 9	41	"707"/\$.ccls. and (generat\$5 creat\$5) near5 (user customer client) near5 (profile) and (access\$5 combin\$5) near6 (several various different) near5 (database)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/06/06 13:50
S28 0	1	"6457026".pn.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/06/06 13:50
S28 1	504	(compar\$5 associat\$5) near7 (exist\$5) near5 (profile)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/06/06 14:05

## EAST Search History

S28 2	194	S281 and (user near4 profile)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/06/06 14:04
S28 3	15	(compar\$5 associat\$5) near5 (user near3 profile) near4 (existing) near5 (profile)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/06/06 14:38
S28 4	4	09/998979	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/06/06 14:11
S28 5	15	("20010013009"   "20020038230"   "20020072974"   "20020129368"   "20020138758"   "20040010591"   "5754939"   "6012058"   "6092049"   "6115708"   "6167390"   "6460036"   "6571279"   "6640229"   "6775664").PN.	US-PGPUB; USPAT; USOCR	OR	ON	2006/06/06 14:27
S28 6	36	(compar\$5 associat\$5) near5 (user near3 profile) near4 (history) near5 (profile)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/06/06 14:30
S28 7	20	(compar\$5 associat\$5) near5 (user near3 profile) near10 (existing) near10 (profile)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/06/06 14:37
S28 8	2	"6199067".pn.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/06/06 14:37
S28 9	482	(user near3 profile) near4 (existing) near5 (profile)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/06/06 14:39
S29 0	482	(user near3 profile) near4 (existing) near5 (profiles)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/06/06 14:41
S29 1	4	relat\$5 near4 (user near3 profile) near4 (existing) near5 (profiles)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/06/06 14:40
S29 2	9	(compar\$5) near5 (user near3 profile) near4 (existing) near5 (profiles)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/06/06 14:59

## EAST Search History

S29 3	20	(compar\$5 associat\$5) near5 (user) near4 (existing) near5 (profiles)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/06/06 14:45
S29 4	15	("20010013009"   "20020038230"   "20020072974"   "20020129368"   "20020138758"   "20040010591"   "5754939"   "6012058"   "6092049"   "6115708"   "6167390"   "6460036"   "6571279"   "6640229"   "6775664") PN	US-PGPUB; USPAT; USOCR	OR	ON	2006/06/06 14:44
S29 5	2	(compar\$5 associat\$5) near5 (user) near4 (data preference) near6 (existing) near5 (profile)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/06/06 14:45
S29 6	0	(data near4 mining) near5 (existing) near5(user near3 profile)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/06/06 15:00
S29 7	34	(data near4 mining) near5 (user near3 profile)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/06/06 15:17
S29 8	0	09/379167	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/06/06 16:57
S29 9	2	"6757740".pn.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/06/06 16:57
S30 0	17	(network near3 address) same (metadata meta-tag (meta adj2 tag)) same (categor\$9)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2006/12/05 14:45
S30 1	117	(network near3 address) same (categoriz\$9)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2006/12/05 14:48
S30 2	24	(network near3 address) same (categoriz\$9) and (user adj3 profil\$5)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2006/12/05 14:48
S30 3	24	(network near3 address) same (categoriz\$9) and (user adj3 profil\$5)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2006/12/05 14:49
S30 4	47	((click-stream)(click adj3 stream)) same (user adj3 profil\$5)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2006/12/05 15:02

## EAST Search History

S30 5	0	(compar\$5 near4 (metatag meta-tag metadata meta-data)) same (categoriz\$7) near4 (nwetwork web IP) near4 (address) and (profil\$5)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2006/12/05 15:03
S30 6	0	(compar\$5 near4 (metatag meta-tag metadata meta-data)) same (categoriz\$7) near4 (network web IP) near4 (address) and (profil\$5)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2006/12/05 15:04
S30 7	0	(compar\$5 near4 (metatag meta-tag metadata meta-data)) same (categoriz\$7) near8(address) and (profil\$5)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2006/12/05 15:04
S30 8	0	(compar\$5 near4 (metatag meta-tag metadata meta-data)) same (categoriz\$7) near4 (network web IP) near4 (address)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2006/12/05 15:04
S30 9	0	(compar\$5 near4 (metatag meta-tag metadata meta-data)) and (categoriz\$7) near4 (network web IP) near4 (address)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2006/12/05 16:21
S31 0	39502	"707"/\$.ccls.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2006/12/05 16:22
S31 1	50043	"709"/\$.ccls.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2006/12/05 16:23
S31 2	31808	(profil\$5 near4 (user visitor client))	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2006/12/06 10:55
S31 3	2363	(web-site (web adj site) web content) near5 (categoriz\$5)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2006/12/06 10:57
S31 4	87	S312 same (web-site (web adj site) web content) near5 (categoriz\$5)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2006/12/05 16:54
S31 5	25	S314 and S310	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2006/12/05 16:54

## EAST Search History

S31 6	14	S314 and S311	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2006/12/05 16:54
S31 7	158	(creat\$5 general\$5 deduct\$5 arriv\$5 produc\$5 establish\$5) same (profile database) same (user client visitor) same (web-site web content) same (address) same (categori\$8)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2006/12/06 09:41
S31 8	1	"6757740".pn. and S317	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2006/12/06 09:00
S31 9	73	("2002007374"   "20020143991"   "4939726"   "5042027"   "5042032"   "5115433"   "5231631"   "5291550"   "5418713"   "5421024"   "5488608"   "5490252"   "5493689"   "5636276"   "5659596"   "5680390"   "5734651"   "5734823"   "5734891"   "5774668"   "5777989"   "5794217"   "5862339"   "5870561"   "5878126"   "5913036"   "5930474"   "5937163"   "5944790"   "5948061"   "5978845"   "6009081"   "6012052"   "6012088"   "6012090"   "6014634"   "6035332"   "6091959"   "6130890"   "6148335"   "6151631"   "6167259"   "6185598"   "6192312"   "6243746"   "6243749"   "6249252"   "6259701"   "6266607"   "6272150"   "6272343"   "6275470"   "6285748"   "6286047"   "6324585"   "6338082"   "6347078"   "6356929"   "6415323"   "6421726"   "6425000"   "6442565"   "6466940"   "6477150"   "6484143"   "6487538"   "6505201"   "6513061"   "6526450"   "6542739"   "6578066"   "6629136"   "6684250").PN:	US-PGPUB; USPAT; USOCR	OR	ON	2006/12/06 09:17
S32 0	4	("20010032092"   "5983221"   "6356905"   "6393423").PN.	US-PGPUB; USPAT; USOCR	OR	ON	2006/12/06 09:19
S32 1	40	(web-site web content) same (address) same (categori\$8) same (meta-tag metatag metadata meta-data)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2006/12/06 09:58
S32 2	11	("20010036224"   "20020049686"   "20020052925"   "20020087496"   "20030054810"   "20030225836"   "20040088355"   "5760917"   "6195654"   "6480885"   "6578072"). PN.	US-PGPUB; USPAT; USOCR	OR	ON	2006/12/06 09:47
S32 3	4	09/632959	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2006/12/06 09:57
S32 4	180	(web-site web content) same (address) and (categori\$8) same (meta-tag metatag metadata meta-data) and (profil\$7) near4 (user visitor client customer)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2006/12/06 10:51
S32 5	11	("5619709"   "5761662"   "5848396"   "5901287"   "6009410"   "6144944"   "6189008"   "6236990"   "6321206"   "6345293"   "6483523").PN.	US-PGPUB; USPAT; USOCR	OR	ON	2006/12/06 10:45
S32 6	10	(web-site web content) same (address) and (categori\$8) same (meta-tag metatag metadata meta-data) and (profil\$7) near4 (consumer)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2006/12/06 10:51

## EAST Search History

S32 7.	1749	(profil\$7) near4 (consumer)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2006/12/06 10:57
S32 8	74	S327 and (web-site (web adj site) web content) near5 (categoriz\$5)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2006/12/06 10:59
S32 9	668	S327 and (combin\$5 complex\$5 aggregat\$5 match\$5) near4 (database data table)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2006/12/06 10:58
S33 0	59	S329 and (web-site (web adj site) web content) near5 (categoriz\$5)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2006/12/06 10:59

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IEE JNL IEE Journal or Magazine

IEEE CNF IEEE Conference Proceeding

IEE CNF IEE Conference Proceeding

IEEE STD IEEE Standard

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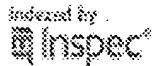
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IEEE JNL IEEE Journal or Magazine

IEE JNL IEE Journal or Magazine

IEEE CNF IEEE Conference Proceeding

IEE CNF IEE Conference Proceeding

IEEE STD IEEE Standard

 [Select All](#) [Deselect All](#) **1. Belief revision as database update**

Williams, M.-A.;  
[Intelligent Information Systems, 1997. IIS '97. Proceedings](#)  
8-10 Dec. 1997 Page(s):410 - 414  
Digital Object Identifier 10.1109/IIS.1997.645321  
[AbstractPlus](#) | Full Text: [PDF\(536 KB\)](#) [IEEE CNF](#)  
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 **2. A video indexing system using character recognition**

Eun Yi Kim; Kwang In Kim; Keechul Jung; Hang Joon Kim;  
[Consumer Electronics, 2000. ICCE. 2000 Digest of Technical Papers. Internation](#)  
on  
13-15 June 2000 Page(s):358 - 359  
Digital Object Identifier 10.1109/ICCE.2000.854683  
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 Eric A. Weiss

November 1990 **Communications of the ACM**, Volume 33 Issue 11

**Publisher:** ACM Press

Full text available:  [pdf\(2.45 MB\)](#)

Additional Information: [full citation](#), [references](#), [citations](#), [index terms](#), [review](#)

2 [MP3 Linux Players](#)



Craig Knudsen

July 1999 **Linux Journal**

**Publisher:** Specialized Systems Consultants, Inc.

Full text available:  [htm\(10.56 KB\)](#) Additional Information: [full citation](#), [abstract](#), [references](#), [index terms](#)

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### **1 [Discovering Internet marketing intelligence through online analytical web usage mining](#)**

**Alex G. Büchner, Maurice D. Mulvenna**  
 December 1998 **ACM SIGMOD Record**, Volume 27 Issue 4
**Publisher:** ACM PressFull text available: [pdf\(772.06 KB\)](#) Additional Information: [full citation](#), [abstract](#), [citations](#), [index terms](#)

This article describes a novel way of combining data mining techniques on Internet data in order to discover actionable marketing intelligence in electronic commerce scenarios. The data that is considered not only covers various types of server and web meta information, but also marketing data and knowledge. Furthermore, heterogeneity resolution thereof and Internet- and electronic commerce-specific pre-processing activities are embedded. A generic web log data hypercube is formally defined ...

### **2 [Information retrieval on the web](#)**

**Mei Kobayashi, Koichi Takeda**  
 June 2000 **ACM Computing Surveys (CSUR)**, Volume 32 Issue 2
**Publisher:** ACM PressFull text available: [pdf\(213.89 KB\)](#) Additional Information: [full citation](#), [abstract](#), [references](#), [citations](#), [index terms](#)

In this paper we review studies of the growth of the Internet and technologies that are useful for information search and retrieval on the Web. We present data on the Internet from several different sources, e.g., current as well as projected number of users, hosts, and Web sites. Although numerical figures vary, overall trends cited by the sources are consistent and point to exponential growth in the past and in the coming decade. Hence it is not surprising that about 85% of Internet user ...

**Keywords:** Internet, World Wide Web, clustering, indexing, information retrieval, knowledge management, search engine

### **3 [The structure of e-commerce in the banking industry: an empirical investigation](#)**

**Elias M. Awad**  
 April 2000 **Proceedings of the 2000 ACM SIGCPR conference on Computer personnel research**

**Publisher:** ACM PressFull text available:  pdf(549.63 KB) Additional Information: [full citation](#), [abstract](#), [references](#), [citations](#)

In this paper, we explore the status of e-commerce in the banking industry. A random sample of 43 commercial Virginia bank Web sites were evaluated to determine the level of e-commerce involvement and the potential of e-commerce in banking. Preliminary results indicate a state of fragmentation in the quality, content, personalization, and category of Web sites, although more and more banks have demonstrated ready commitment to "presence" on the Internet.

**Keywords:** Internet, Web sites, e-commerce, online banking**4 Ethical issues related to internet development and research**  M. Dee Medley, Rebecca H. Rutherford, G. Ernest Anderson, R. Waldo Roth, Stuart A. Varden

December 1998 **Working Group reports of the 3rd annual SIGCSE/SIGCUE ITiCSE conference on Integrating technology into computer science education**

**Publisher:** ACM PressFull text available:  pdf(77.36 KB) Additional Information: [full citation](#), [references](#), [index terms](#)**5 Ethical issues related to internet development and research**  M. Dee Medley, Rebecca H. Rutherford, G. Ernest Anderson, R. Waldo Roth, Stuart A. Varden

October 1998 **ACM SIGCUE Outlook**, Volume 26 Issue 4

**Publisher:** ACM PressFull text available:  pdf(1.60 MB) Additional Information: [full citation](#), [abstract](#), [references](#), [citations](#), [index terms](#)

This paper discusses ethical issues concerning Internet development, presentation and research. A brief overview of the major ethical issues related to computing is followed by a discussion of ethical issues specific to the use of the Internet. We will look at the implications of these issues for particular population groups such as children, women, disabled persons, and the low socio-economic class. Finally, we offer suggestions for how these issues can be brought into the computer or informati ...

**6 Ethical issues related to Internet development and research**  M. Dee Medley, Rebecca H. Rutherford, G. Ernest Anderson, R. Waldo Roth, Stuart A. Varden

December 1998 **ACM SIGCSE Bulletin**, Volume 30 Issue 4

**Publisher:** ACM PressFull text available:  pdf(1.65 MB) Additional Information: [full citation](#), [abstract](#), [index terms](#)

This paper discusses ethical issues concerning Internet development, presentation and research. A brief overview of the major ethical issues related to computing is followed by a discussion of ethical issues specific to the use of the Internet. We will look at the implications of these issues for particular population groups such as children, women, disabled persons, and the low socio-economic class. Finally, we offer suggestions for how these issues can be brought into the computer or informati ...

**7 The bout of the century?: information ethics vs. E-commerce**  Marsha Woodbury  
June 2000 **Ubiquity**, Volume 1 Issue 18**Publisher:** ACM Press

Full text available:  [html\(36.23 KB\)](#) Additional Information: [full citation](#), [index terms](#)

8 [NetNews: Online services: change is the only constant](#) 

 Dennis Fowler

 March 1999 **netWorker**, Volume 3 Issue 1

**Publisher:** ACM Press

Full text available:  [pdf\(128.27 KB\)](#)

 [html\(20.77 KB\)](#)

Additional Information: [full citation](#), [index terms](#)

9 [Survey articles: Web usage mining: discovery and applications of usage patterns](#) 

 [from Web data](#)

 Jaideep Srivastava, Robert Cooley, Mukund Deshpande, Pang-Ning Tan

 January 2000 **ACM SIGKDD Explorations Newsletter**, Volume 1 Issue 2

**Publisher:** ACM Press

Full text available:  [pdf\(1.44 MB\)](#)

Additional Information: [full citation](#), [abstract](#), [references](#), [citations](#)

Web usage mining is the application of data mining techniques to discover usage patterns from Web data, in order to understand and better serve the needs of Web-based applications. Web usage mining consists of three phases, namely *preprocessing*, *pattern discovery*, and *pattern analysis*. This paper describes each of these phases in detail. Given its application potential, Web usage mining has seen a rapid increase in interest, from both the research and practice communities. This pap ...

**Keywords:** data mining, web usage mining, world wide web

10 [NSF workshop on industrial/academic cooperation in database systems](#) 

 Mike Carey, Len Seligman

 March 1999 **ACM SIGMOD Record**, Volume 28 Issue 1

**Publisher:** ACM Press

Full text available:  [pdf\(1.96 MB\)](#)

Additional Information: [full citation](#), [index terms](#)

11 [Design and implementation of RMP: a virtual electronic market place](#) 

 Susanne Boll, Wolfgang Klas, Bernard Battaglin

 December 1998 **ACM SIGMOD Record**, Volume 27 Issue 4

**Publisher:** ACM Press

Full text available:  [pdf\(648.40 KB\)](#)

Additional Information: [full citation](#), [citations](#), [index terms](#)

12 [Opportunistic exploration of large consumer product spaces](#) 

 Doug Bryan, Anatole Gershman

 November 1999 **Proceedings of the 1st ACM conference on Electronic commerce**

**Publisher:** ACM Press

Full text available:  [pdf\(1.10 MB\)](#)

Additional Information: [full citation](#), [references](#), [index terms](#)

**Keywords:** browsing, information retrieval, information visualization, online shopping, retail eCommerce, searching, visual metaphor, visual navigation

**13** Marketing information on the I-Way: data junkyard or information gold mine?

 P. K. Kannan, Ai-Mei Chang, Andrew B. Whinston  
March 1998 **Communications of the ACM**, Volume 41 Issue 3

**Publisher:** ACM Press

Full text available:  pdf(181.31 KB) Additional Information: [full citation](#), [references](#), [citations](#), [index terms](#)

**14** Query evaluation techniques for large databases

 Goetz Graefe  
June 1993 **ACM Computing Surveys (CSUR)**, Volume 25 Issue 2

**Publisher:** ACM Press

Full text available:  pdf(9.37 MB) Additional Information: [full citation](#), [abstract](#), [references](#), [citations](#), [index terms](#), [review](#)

Database management systems will continue to manage large data volumes. Thus, efficient algorithms for accessing and manipulating large sets and sequences will be required to provide acceptable performance. The advent of object-oriented and extensible database systems will not solve this problem. On the contrary, modern data models exacerbate the problem: In order to manipulate large sets of complex objects as efficiently as today's database systems manipulate simple records, query-processi ...

**Keywords:** complex query evaluation plans, dynamic query evaluation plans, extensible database systems, iterators, object-oriented database systems, operator model of parallelization, parallel algorithms, relational database systems, set-matching algorithms, sort-hash duality

**15** A status report on the OO7 OODBMS benchmarking effort

 Michael J. Carey, David J. DeWitt, Chander Kant, Jeffrey F. Naughton  
October 1994 **ACM SIGPLAN Notices, Proceedings of the ninth annual conference on Object-oriented programming systems, language, and applications OOPSLA '94**, Volume 29 Issue 10

**Publisher:** ACM Press

Full text available:  pdf(1.69 MB) Additional Information: [full citation](#), [abstract](#), [references](#), [citations](#), [index terms](#)

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**16** Introducing client/server technologies in information systems curricula

 Abhijit Chaudhury, H. Raghav Rao  
September 1997 **ACM SIGMIS Database**, Volume 28 Issue 4

**Publisher:** ACM Press

Full text available:  pdf(1.02 MB) Additional Information: [full citation](#), [abstract](#), [index terms](#)

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**Keywords:** client/server system, information systems education

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 Paolo Bellavista, Antonio Corradi, Andrea Tomasi

March 2000 **Proceedings of the 2000 ACM symposium on Applied computing - Volume 2**

**Publisher:** ACM Press

Full text available:  pdf(1.27 MB)

Additional Information: [full citation](#), [references](#), [index terms](#)

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November 1999 **Proceedings of the eighth international conference on Information and knowledge management**

**Publisher:** ACM Press

Full text available:  pdf(845.25 KB)

Additional Information: [full citation](#), [abstract](#), [references](#), [index terms](#)

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**Publisher:** ACM Press

Full text available:  pdf(925.62 KB)

Additional Information: [full citation](#), [index terms](#)

**Keywords:** Web measurement, World-Wide Web, design process, iterative design, paper prototyping, startup company, user interface design, user-centered design

20 The government information locator service: a user-based approach to standards 

 William E. Moen, Charles R. McClure

June 1994 **StandardView**, Volume 2 Issue 2

**Publisher:** ACM Press

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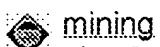
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### **1 [Discovering Internet marketing intelligence through online analytical web usage mining](#)**



Alex G. Büchner, Maurice D. Mulvenna  
 December 1998 **ACM SIGMOD Record**, Volume 27 Issue 4

**Publisher:** ACM Press

 Full text available: [pdf\(772.06 KB\)](#) Additional Information: [full citation](#), [abstract](#), [citations](#), [index terms](#)

This article describes a novel way of combining data mining techniques on Internet data in order to discover actionable marketing intelligence in electronic commerce scenarios. The data that is considered not only covers various types of server and web meta information, but also marketing data and knowledge. Furthermore, heterogeneity resolution thereof and Internet- and electronic commerce-specific pre-processing activities are embedded. A generic web log data hypercube is formally defined ...



### **2 [Information retrieval on the web](#)**



Mei Kobayashi, Koichi Takeda  
 June 2000 **ACM Computing Surveys (CSUR)**, Volume 32 Issue 2

**Publisher:** ACM Press

 Full text available: [pdf\(213.89 KB\)](#) Additional Information: [full citation](#), [abstract](#), [references](#), [citations](#), [index terms](#)


In this paper we review studies of the growth of the Internet and technologies that are useful for information search and retrieval on the Web. We present data on the Internet from several different sources, e.g., current as well as projected number of users, hosts, and Web sites. Although numerical figures vary, overall trends cited by the sources are consistent and point to exponential growth in the past and in the coming decade. Hence it is not surprising that about 85% of Internet user ...

**Keywords:** Internet, World Wide Web, clustering, indexing, information retrieval, knowledge management, search engine



### **3 [The structure of e-commerce in the banking industry: an empirical investigation](#)**



Elias M. Awad  
 April 2000 **Proceedings of the 2000 ACM SIGCPR conference on Computer personnel research**

**Publisher:** ACM PressFull text available:  pdf(549.63 KB) Additional Information: [full citation](#), [abstract](#), [references](#), [citations](#)

In this paper, we explore the status of e-commerce in the banking industry. A random sample of 43 commercial Virginia bank Web sites were evaluated to determine the level of e-commerce involvement and the potential of e-commerce in banking. Preliminary results indicate a state of fragmentation in the quality, content, personalization, and category of Web sites, although more and more banks have demonstrated ready commitment to "presence" on the Internet.

**Keywords:** Internet, Web sites, e-commerce, online banking**4 Ethical issues related to internet development and research**  M. Dee Medley, Rebecca H. Rutherford, G. Ernest Anderson, R. Waldo Roth, Stuart A. Varden

December 1998 **Working Group reports of the 3rd annual SIGCSE/SIGCUE ITiCSE conference on Integrating technology into computer science education**

**Publisher:** ACM PressFull text available:  pdf(77.36 KB) Additional Information: [full citation](#), [references](#), [index terms](#)**5 Ethical issues related to internet development and research**  M. Dee Medley, Rebecca H. Rutherford, G. Ernest Anderson, R. Waldo Roth, Stuart A. Varden

October 1998 **ACM SIGCUE Outlook**, Volume 26 Issue 4

**Publisher:** ACM PressFull text available:  pdf(1.60 MB) Additional Information: [full citation](#), [abstract](#), [references](#), [citations](#), [index terms](#)

This paper discusses ethical issues concerning Internet development, presentation and research. A brief overview of the major ethical issues related to computing is followed by a discussion of ethical issues specific to the use of the Internet. We will look at the implications of these issues for particular population groups such as children, women, disabled persons, and the low socio-economic class. Finally, we offer suggestions for how these issues can be brought into the computer or informati ...

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December 1998 **ACM SIGCSE Bulletin**, Volume 30 Issue 4

**Publisher:** ACM PressFull text available:  pdf(1.65 MB) Additional Information: [full citation](#), [abstract](#), [index terms](#)

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**7 The bout of the century?: information ethics vs. E-commerce**  Marsha Woodbury  
June 2000 **Ubiquity**, Volume 1 Issue 18**Publisher:** ACM Press

Full text available:  [html\(36.23 KB\)](#) Additional Information: [full citation](#), [index terms](#)

**8** [NetNews: Online services: change is the only constant](#)

 Dennis Fowler  
March 1999 **netWorker**, Volume 3 Issue 1

**Publisher:** ACM Press

Full text available:  [pdf\(128.27 KB\)](#) Additional Information: [full citation](#), [index terms](#)  
 [html\(20.77 KB\)](#)

**9** [Survey articles: Web usage mining: discovery and applications of usage patterns](#)

 Jaideep Srivastava, Robert Cooley, Mukund Deshpande, Pang-Ning Tan  
January 2000 **ACM SIGKDD Explorations Newsletter**, Volume 1 Issue 2

**Publisher:** ACM Press

Full text available:  [pdf\(1.44 MB\)](#) Additional Information: [full citation](#), [abstract](#), [references](#), [citations](#)

Web usage mining is the application of data mining techniques to discover usage patterns from Web data, in order to understand and better serve the needs of Web-based applications. Web usage mining consists of three phases, namely *preprocessing*, *pattern discovery*, and *pattern analysis*. This paper describes each of these phases in detail. Given its application potential, Web usage mining has seen a rapid increase in interest, from both the research and practice communities. This pap ...

**Keywords:** data mining, web usage mining, world wide web

**10** [NSF workshop on industrial/academic cooperation in database systems](#)

 Mike Carey, Len Seligman  
March 1999 **ACM SIGMOD Record**, Volume 28 Issue 1

**Publisher:** ACM Press

Full text available:  [pdf\(1.96 MB\)](#) Additional Information: [full citation](#), [index terms](#)

**11** [Design and implementation of RMP: a virtual electronic market place](#)

 Susanne Boll, Wolfgang Klas, Bernard Battaglin  
December 1998 **ACM SIGMOD Record**, Volume 27 Issue 4

**Publisher:** ACM Press

Full text available:  [pdf\(648.40 KB\)](#) Additional Information: [full citation](#), [citations](#), [index terms](#)

**12** [Opportunistic exploration of large consumer product spaces](#)

 Doug Bryan, Anatole Gershman  
November 1999 **Proceedings of the 1st ACM conference on Electronic commerce**

**Publisher:** ACM Press

Full text available:  [pdf\(1.10 MB\)](#) Additional Information: [full citation](#), [references](#), [index terms](#)

**Keywords:** browsing, information retrieval, information visualization, online shopping, retail eCommerce, searching, visual metaphor, visual navigation

**13 Marketing information on the I-Way: data junkyard or information gold mine?**

 P. K. Kannan, Ai-Mei Chang, Andrew B. Whinston  
March 1998 **Communications of the ACM**, Volume 41 Issue 3

**Publisher:** ACM Press

Full text available:  pdf(181.31 KB) Additional Information: [full citation](#), [abstract](#), [references](#), [citations](#), [index terms](#)

**14 Query evaluation techniques for large databases**

 Goetz Graefe  
June 1993 **ACM Computing Surveys (CSUR)**, Volume 25 Issue 2

**Publisher:** ACM Press

Full text available:  pdf(9.37 MB) Additional Information: [full citation](#), [abstract](#), [references](#), [citations](#), [index terms](#), [review](#)

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June 1994 **StandardView**, Volume 2 Issue 2

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Williams, M.-A.;

[Intelligent Information Systems, 1997, IIS '97, Proceedings](#)

8-10 Dec. 1997 Page(s):410 - 414

Digital Object Identifier 10.1109/IIS.1997.645321

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Eun Yi Kim; Kwang In Kim; Keechul Jung; Hang Joon Kim;

[Consumer Electronics, 2000, ICCE, 2000 Digest of Technical Papers, International](#)

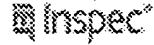
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### 1 [Fast detection of communication patterns in distributed executions](#)



Thomas Kunz, Michiel F. H. Seuren

November 1997 **Proceedings of the 1997 conference of the Centre for Advanced Studies on Collaborative research**

Publisher: IBM Press

Full text available: [pdf\(4.21 MB\)](#) Additional Information: [full citation](#), [abstract](#), [references](#), [index terms](#)

Understanding distributed applications is a tedious and difficult task. Visualizations based on process-time diagrams are often used to obtain a better understanding of the execution of the application. The visualization tool we use is Poet, an event tracer developed at the University of Waterloo. However, these diagrams are often very complex and do not provide the user with the desired overview of the application. In our experience, such tools display repeated occurrences of non-trivial commun ...

### 2 [Manageability, availability and performance in Porcupine: a highly scalable, cluster-](#)


[based mail service](#)

Yasushi Saito, Brian N. Bershad, Henry M. Levy

December 1999 **ACM SIGOPS Operating Systems Review , Proceedings of the seventeenth ACM symposium on Operating systems principles SOSP '99**, Volume 33 Issue 5

Publisher: ACM Press

Full text available: [pdf\(1.62 MB\)](#) Additional Information: [full citation](#), [abstract](#), [references](#), [citations](#), [index terms](#)

This paper describes the motivation, design, and performance of Porcupine, a scalable mail server. The goal of Porcupine is to provide a highly available and scalable electronic mail service using a large cluster of commodity PCs. We designed Porcupine to be easy to manage by emphasizing dynamic load balancing, automatic configuration, and graceful degradation in the presence of failures. Key to the system's manageability, availability, and performance is that sessions, data, and underlying serv ...

### 3 [Broadcast protocols to support efficient retrieval from databases by mobile users](#)


[Anindya Datta, Debra E. VanderMeer, Aslihan Celik, Vijay Kumar](#)

March 1999 **ACM Transactions on Database Systems (TODS)**, Volume 24 Issue 1

Publisher: ACM Press

Full text available: [pdf\(638.48 KB\)](#) Additional Information: [full citation](#), [abstract](#), [references](#), [citations](#), [index terms](#), [review](#)

Mobile computing has the potential for managing information globally. Data management issues in mobile computing have received some attention in recent times, and the design of adaptive broadcast protocols has been posed as an important problem. Such protocols are employed by database servers to decide on the content of broadcasts dynamically, in response to client mobility and demand patterns. In this paper we design such protocols and also propose efficient retrieval s ...

**Keywords:** adaptive broadcast protocols, client-server computing, energy conservation, mobile databases

#### 4 VIRTUS: a collaborative multi-user platform



 Kurt Saar

February 1999 **Proceedings of the fourth symposium on Virtual reality modeling language**

**Publisher:** ACM Press

Full text available:  pdf(4.09 MB) Additional Information: [full citation](#), [references](#), [citations](#), [index terms](#)

**Keywords:** VRML, VRML event model, architecture construction engineering (ACE), collaborative virtual environment (CVE), computer supported collaborative work (CSCW), dead reckoning, distributed environments, living worlds, multi-user technologies, virtual environments, virtual worlds

#### 5 Manufacturing resource planning on a PC local area network



 H. Clark Kee, Roy L. Post

May 1986 **ACM SIGAPL APL Quote Quad , Proceedings of the international conference on APL APL '86**, Volume 16 Issue 4

**Publisher:** ACM Press

Full text available:  pdf(1.47 MB) Additional Information: [full citation](#), [abstract](#), [index terms](#)

This paper details a large APL programming project of 12 man years. An integrated software system structured on the principles of MRP (manufacturing resource planning) was implemented by a Bristol-Myers in house team for use in a new manufacturing facility. The system applies off-the-shelf technology in innovative ways, using STSC APL\*PLUS/PC as the only programming language, to build a very sophisticated application on IBM/PCs fully sharing data in a secure environment via the N ...

#### 6 The Datacycle architecture



 T. F. Bowen, G. Gopal, G. Herman, T. Hickey, K. C. Lee, W. H. Mansfield, J. Raitz, A. Weinrib December 1992 **Communications of the ACM**, Volume 35 Issue 12

**Publisher:** ACM Press

Full text available:  pdf(3.91 MB) Additional Information: [full citation](#), [references](#), [citations](#), [index terms](#), [review](#)

**Keywords:** VLSI filtering, concurrency control, data filtering, database architectures, database machines, fuzzy queries, high performance, transaction processing

#### 7 File system usage in Windows NT 4.0



 Werner Vogels

December 1999 **ACM SIGOPS Operating Systems Review , Proceedings of the seventeenth ACM symposium on Operating systems principles SOSP**

'99, Volume 33 Issue 5

**Publisher:** ACM PressFull text available:  pdf(1.75 MB)Additional Information: [full citation](#), [abstract](#), [references](#), [citations](#), [index terms](#)

We have performed a study of the usage of the Windows NT File System through long-term kernel tracing. Our goal was to provide a new data point with respect to the 1985 and 1991 trace-based File System studies, to investigate the usage details of the Windows NT file system architecture, and to study the overall statistical behavior of the usage data. In this paper we report on these issues through a detailed comparison with the older traces, through details on the operational characteristics and ...

**8 Issues in modeling a "dynamic" hypertext interface for non-hypertext systems**  Michael BieberSeptember 1991 **Proceedings of the third annual ACM conference on Hypertext****Publisher:** ACM PressFull text available:  pdf(1.06 MB)Additional Information: [full citation](#), [references](#), [citations](#), [index terms](#)**9 A structural view of the Cedar programming environment**  Daniel C. Swinehart, Polle T. Zellweger, Richard J. Beach, Robert B. HagmannAugust 1986 **ACM Transactions on Programming Languages and Systems (TOPLAS)**, Volume 8 Issue 4**Publisher:** ACM PressFull text available:  pdf(6.32 MB)Additional Information: [full citation](#), [abstract](#), [references](#), [citations](#), [index terms](#)

This paper presents an overview of the Cedar programming environment, focusing on its overall structure—that is, the major components of Cedar and the way they are organized. Cedar supports the development of programs written in a single programming language, also called Cedar. Its primary purpose is to increase the productivity of programmers whose activities include experimental programming and the development of prototype software systems for a high-performance personal computer. T ...

**10 The clearinghouse: a decentralized agent for locating named objects in a distributed environment**  Derek C. Oppen, Yogen K. DalalJuly 1983 **ACM Transactions on Information Systems (TOIS)**, Volume 1 Issue 3**Publisher:** ACM PressFull text available:  pdf(1.73 MB)Additional Information: [full citation](#), [references](#), [citations](#), [index terms](#)**11 A pragmatic system for shared persistent objects**  Thomas Merrow, Jame LaursenDecember 1987 **ACM SIGPLAN Notices, Conference proceedings on Object-oriented programming systems, languages and applications OOPSLA '87**, Volume 22 Issue 12**Publisher:** ACM PressFull text available:  pdf(853.38 KB)Additional Information: [full citation](#), [abstract](#), [references](#), [citations](#), [index terms](#)

This paper describes a system for sharing information in the form of objects among users of the Smalltalk-80 programming environment. The system, called Coral3, is pragmatic in that it was developed to meet the needs of specific applications. This paper describes the expectations for the system, presents factors influencing the design, outlines the implementation of Coral3, and raises questions about object-oriented database systems in

general.

**12 A testbed for information retrieval research: the Utah retrieval system architecture**

 Lee A. Hollaar

 June 1985 **Proceedings of the 8th annual international ACM SIGIR conference on Research and development in information retrieval**

**Publisher:** ACM Press

Full text available:  pdf(622.65 KB) Additional Information: [full citation](#), [abstract](#), [references](#)

The Utah Retrieval System Architecture provides an excellent testbed for the development and testing of new algorithms or techniques for information retrieval. URSA™ is a message-based structure capable of running on a variety of system configurations, ranging from a single mainframe processor to a system distributed across a number of dissimilar processors. It can readily support a variety of specialized backend processors, such as high-speed search engines. The architectur ...

**13 Cluster-based scalable network services**

 Armando Fox, Steven D. Gribble, Yatin Chawathe, Eric A. Brewer, Paul Gauthier

 October 1997 **ACM SIGOPS Operating Systems Review , Proceedings of the sixteenth ACM symposium on Operating systems principles SOSP '97**, Volume 31 Issue 5

**Publisher:** ACM Press

Full text available:  pdf(2.42 MB) Additional Information: [full citation](#), [references](#), [citations](#), [index terms](#)

**14 Mobile computing: DataMan project perspective**

Tomasz Imielinski

December 1996 **Mobile Networks and Applications**, Volume 1 Issue 4

**Publisher:** Kluwer Academic Publishers

Full text available:  pdf(239.53 KB) Additional Information: [full citation](#), [abstract](#), [references](#), [index terms](#)

The objective of mobile computing is to develop system and application level software for small, battery powered terminals equipped with the wireless network connection. There is a rapidly growing interest in this field with companies spending billions of dollars developing technology and buying spectrum in the recent PCS auctions. In this paper we offer a perspective of mobile computing from the standpoint of our own research project at Rutgers University. The DataMan project (T.Imielinski ...

**15 Mobile networking in the Internet**

Charles E. Perkins

December 1998 **Mobile Networks and Applications**, Volume 3 Issue 4

**Publisher:** Kluwer Academic Publishers

Full text available:  pdf(166.90 KB) Additional Information: [full citation](#), [abstract](#), [references](#), [citations](#), [index terms](#)

Computers capable of attaching to the Internet from many places are likely to grow in popularity until they dominate the population of the Internet. Consequently, protocol research has shifted into high gear to develop appropriate network protocols for supporting mobility. This introductory article attempts to outline some of the many promising and interesting research directions. The papers in this special issue indicate the diversity of viewpoints within the research community, and it is ...

**16 Papers: ESW4: enhanced scheme for WWW computing in wireless communication environments**

 Stathes Hadjiefthymiades, Lazaros Merakos

October 1999 **ACM SIGCOMM Computer Communication Review**, Volume 29 Issue 5

**Publisher:** ACM Press

Full text available:  pdf(1.18 MB) Additional Information: [full citation](#), [abstract](#), [references](#), [citations](#)

Mobile computing is considered of major importance to the computing industry for the forthcoming years due to the progress in the wireless communications domain. In this paper, we present a proxy-based architecture, called ESW4, which manages to accelerate Web browsing in wireless CPNs. Proxy caches, maintained in base stations, are constantly relocated to accompany the roaming user. We discuss a cache management scheme involving the relocation of full caches to the most candidate cells but also ...

**17 DWTP—an Internet protocol for shared virtual environments** 

 Wolfgang Broll

February 1998 **Proceedings of the third symposium on Virtual reality modeling language**

**Publisher:** ACM Press

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**18 Evaluation of hypermedia application development and management systems** 

 S. P. Christodoulou, G. D. Styliaras, T. S. Papatheodrou

May 1998 **Proceedings of the ninth ACM conference on Hypertext and hypermedia : links, objects, time and space---structure in hypermedia systems: links, objects, time and space---structure in hypermedia systems**

**Publisher:** ACM Press

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**19 COGENT: cognitive agent to amplify human perception and cognition** 

 Subrata Das, Dan Grecu

June 2000 **Proceedings of the fourth international conference on Autonomous agents**

**Publisher:** ACM Press

Full text available:  pdf(1.06 MB) Additional Information: [full citation](#), [references](#), [citations](#), [index terms](#)

**Keywords:** cognitive agent, decision aiding, event generation, information filtering, situation assessment, visualization

**20 Resource management policies for e-commerce servers** 

 Daniel A. Menasé, Rodrigo Fonseca, Virgilio A. F. Almeida, Marco A. Mendes

March 2000 **ACM SIGMETRICS Performance Evaluation Review**, Volume 27 Issue 4

**Publisher:** ACM Press

Full text available:  pdf(913.49 KB) Additional Information: [full citation](#), [abstract](#), [index terms](#)

Quality of service of e-commerce sites has been usually managed by the allocation of resources such as processors, disks, and network bandwidth, and by tracking conventional performance metrics such as response time, throughput, and availability. However, the metrics that are of utmost importance to the management of a Web store are revenue and profits. Thus, resource management schemes for e-commerce servers should be geared towards optimizing business metrics as opposed to conventional perform ...

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